

Comparisons of Job Characteristics

Focus Occupation: [Hazardous Materials Removal Workers \(47-4041\)](#)

Associated Occupation: [Operating Engineers and Other Construction Equipment Operators \(47-2073\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 48

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Building and Construction	4.0	15.0	7.1	<<	Extensive education and/or training may be required
Mechanical	6.8	13.4	11.5	<	Expanded education and/or training may be required
Public Safety and Security	6.9	10.5	9.1	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	13.4	10.3	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.0	9.7	0	Current skill level may be sufficient
Equipment Maintenance	3.5	6.9	6.7	0	Current skill level may be sufficient
Troubleshooting	4.5	6.6	7.3	>	Skill level is likely sufficient
Repairing	3.4	6.4	5.8	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Multilimb Coordination	6.0	13.2	12.2	0	Current ability level may be sufficient
Control Precision	6.6	12.6	12.9	0	Current ability level may be sufficient
Depth Perception	5.3	12.2	10.1	<	Some improvement in abilities may be required
Reaction Time	4.8	9.7	8.5	<	Some improvement in abilities may be required
Response Orientation	4.0	8.7	9.4	0	Current ability level may be sufficient
Rate Control	3.8	8.6	8.2	0	Current ability level may be sufficient
Glare Sensitivity	2.6	5.5	5.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Work Activities	Exclusivity of Activity
Operate crane in construction, manufacturing or repair setting	76
Operate hoist, winch, or hydraulic boom	34
Operate material moving, loading, or unloading equipment	75

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computers	1
Cutting and crimping and punching tools	3
Earth moving machinery	11
Forming tools	2
Garden tools	12

Indicating and recording instruments	2
Lifting equipment and accessories	3
Passenger motor vehicles	13
Personal communication devices	2
Pneumatic tools	8
Power tools	2
Product and material transport vehicles	13
Pumps	9
Respiratory protection	6
Robotics	33
Safety apparel	4
Safety footwear	21
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.